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SUBJECT: IMAGE QUALITY IMPROVEMENT DURING CAMERA STABLILIZATION ON GLASS LAMP MISSION G-085.

1. DURING THE CAMERA STABILIZATION PERIOD WHEN IMAGERY WAS OBTAINED (FRAME 1 THRU 15 AT 4 MINUTES AFTER TAKE-OFF AND FRAMES 16 THRU 31 AT 42 MINUTES AFTER TAKE-OFF), THE FOLLOWING PATTERN OF IMAGE QUALITY IMPROVEMENT IS APPARENT IN THE VERTICAL FRAMES.

A. THE IMAGERY FIRST SHOWS IMPROVEMENT AT THE CENTER OF FORMAT ALONG THE INBOARD EDGE ON BOTH FILM WEBS. THE IMPROVED AREA IS SEMI-CIRCULAR ON EACH WEB WITH THE EXCEPTION OF A SMALL AREA OF IMPROVED IMAGERY WHICH EXTENDS AT A 45 DEGREE ANGLE TOWARD THE OUTBOARD EDGE/NON-DATA BLOCK END CORNER.

B. ALSO A SMALL AREA AT THIS CORNER SHOWS IMPROVEMENT ON BOTH WEBS.

C. THE AREA DESCRIBED IN PARA "A" SHOWS BETTER QUALITY IMAGERY THAN THE AREA DESCRIBED IN "B" AND BOTH AREAS ARE BETTER THAN THE REST OF THE FORMAT.

D. DURING THE SECOND CAMERA ON/OFF (FRAMES 16-31) A LARGER

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AREA AT THE CENTER OF FORMAT AND A LARGER AREA AT THE OUTBOARD EDGE/NON-DATA BLOCK END CORNER SHOW IMPROVED IMAGERY. IN ADDITION, THE DATA BLOCK END OF FORMAT NOW SHOWS IMPROVEMENT. THE QUALITY ACROSS THE FORMAT IS AS FOLLOWS:

(1) THE IMAGE QUALITY AT CENTER OF FORMAT IS THE BEST.

(2) THE IMAGERY LOCATED NEAR THE OUTBOARD EDGE/NON-DATA BLOCK END CORNER AND THE INBOARD EDGE/DATA BLOCK END CORNER ARE ROUGHLY EQUIVALENT IN QUALITY WITH THE LATTER APPEARING SLIGHTLY BETTER.

(3) THE IMAGERY AT THE OUTBOARD EDGE/DATA BLOCK END CORNER APPEARS TO BE SLIGHTLY POORER THAN THE OTHER OUTBOARD EDGE CORNER.

(4) THE INBOARD EDGE/NON-DATA BLOCK END CORNER EXHIBITS THE POOREST QUALITY OF ALL FORMAT AREAS.

2. AFTER THE THIRD CAMERA ON (THE OPERATIONAL PORTION OF THE MISSION) THE IMAGE QUALITY VARIES ACROSS THE FORMAT AS FOLLOWS:

A. THE IMAGERY AT THE INBOARD EDGE/NON-DATA BLOCK CORNER IS FAIR WHILE THE REST OF THE FORMAT IS GOOD. THIS IS TRUE FOR THE REMAINDER OF THE MISSION.

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3. IMAGERY OBTAINED IN OTHER CAMERA POSITIONS APPEARS TO FOLLOW THE SAME TRENDS.

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----------END OF MSG----------

GROUP 1
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